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Product Datasheet

GAT2711 FBM-10-4330

Article Name	GAT2711
Biozol Catalog Number	FBM-10-4330
Supplier Catalog Number	10-4330
Alternative Catalog Number	FBM-10-4330-5MG,FBM-10-4330-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	alpha9 nAChR agonist...
Molecular Weight	465.38
Purity	98% by HPLC NMR (Conforms)
Form	Pale yellow solid
Formula	C21H28IN3O
Application Notes	GAT2711 is a novel full agonist of the alpha9 nicotinic acetylcholine receptor (EC50 = 230 nM, EC50 for alpha9alpha10 = 990 nM). It was 340-fold selective over the alpha7 receptor. GAT2711 significantly and dose-dependently inhibited the BzATP-induced release of the pro-inflammatory cytokine IL-1 β in THP-1 cells (IC50 = 0.5 μ M). It fully attenuated inflammatory pain in mice in an alpha7 nAChR-independent manner. alpha9 nAChR agonists represent a novel approach to treating inflammatory and/or neuropathic pain.